Università di Genova

Davide Clematis

Associate Professor

EDUCATION AND TRAINING

2019
PhD in Chemical, Process and Materials Engineering
Study on cathode material for solid oxide cells
University of Genoa

2015
Master Degree in Chemical Engineering
University of Genoa

2013
Bachelor Degree in Chemical Engineering
University of Genoa

PROFESSIONAL HISTORY

June 2022 – May 2025
Tenure track researcher
Department of Civil, Chemical and Environmental Engineering – University of Genova

January 2023 – February 2023
Visiting researcher
Linde Laboratories - Department of Environmental Science and Engineering – California Institute of Technology (Caltech) - USA

November 2022 – December 2022
Visiting researcher
Laboratories of Electrochemistry of Materials and Environment – Department of Material Science and Physic-Chemistry – University of Barcellona – Spain

November 2019 – May 2022
Post-doc at
Department of Civil, Chemical and Environmental Engineering (DICCA) – University of Genoa

November 2018 – October 2019
Post-doc at
Institute of Condensed Matter Chemistry and Technologies for Energy (ICMATE) – National Research Council – Italy

Agosto 2017 – Febbraio 2018
Visiting PhD student
Institute of Chemical Technologies and Analytics – Technische Universitat Wien - Austria

Università di Genova

EXPERIENCE

MAIN SEMINAR

June 2023
Plenary Lecture – 3EEE: Electrochemistry for Energy and Environment
13th European Symposium on Electrochemical Engineering

January 2023
Lecture – Electrochemical methods for oxidation of organic pollutants
California Institute of Technology – USA

November 2019 2019
Electrochemical Advanced Oxidation Processes – From convetional system to solid polymer electrolyte
De Nora R&D Symposium

SCIENTIFIC RESPONSABILITY FOR RESEARCH PROJECT

January 2025 Principal Investigator for project "PIUME" – Electrochemical processes with a reduced environmental impact for metal recovery from RAEE", (A2A).

June 2024 Co-responsible for DICCA unit for project NH3EWSHIP – "NH3 fueled Energy systems toWards decarbonization of SHIPs", (Fincantieri). Principal Investigator Prof. Massimo Rivarolo – DIME – UNIGE.

December 2023 Co-responsible for DICCA unit for project "Theoretical and Experimental Investigation of Ammonia Cracking", (Baker Hughes). Principal Investigator Prof.ssa Daria Bellotti – DIME – UNIGE

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

June 2023
International Award – Carl Wagner Medal of Excellence in Electrochemical Engineering
From the Working Party of Electrochemical Engineering of the European Federation of Chemical Engineering

November 2021
International Awards – Young Scientist International Award
Sponsored by International Society of Electrochemistry during the International Symposium on Electrochemical Impedance Analysis – Stoccarda, Germany. – 2nd place

September 2020
Best PhD thesis award – from Italian Association of Chemistry for Engineering.

September 2019
Award "De Nora Foundation" for the best PhD thesis – from the Division of Electrochemistry of Italian Chemical Society.

LIST OF PUBLICATIONS

https://www.scopus.com/authid/detail.uri?authorId=57189456747